

Your Project #: B209332  
Your C.O.C. #: NA

**Attention: Tabitha Rudkin**

Maxxam Analytics  
4606 Canada Way  
Burnaby, BC  
V5G 1K5

**Report Date: 2012/02/10**

**CERTIFICATE OF ANALYSIS**

**MAXXAM JOB #: B217717**

**Received: 2012/02/07, 10:00**

Sample Matrix: Water  
# Samples Received: 2

<u>Analyses</u>	<u>Quantity</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Laboratory Method</u>	<u>Method Reference</u>
Total Cyanide	2	2012/02/09	2012/02/09	CAM SOP-00457	Ontario MOE CN-E3015

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

U = Undetected at the limit of quantitation.

J = Estimated concentration between the EDL & RDL.

B = Blank Contamination.

Q = One or more quality control criteria failed.

**Encryption Key**

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

KEN POMEROY,  
Email: kpomeroy@maxxam.ca  
Phone# (905) 817-5700

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1

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 Report Date: 2012/02/10

Maxxam Analytics  
 Client Project #: B209332

**RESULTS OF ANALYSES OF WATER**

Maxxam ID		ML6089	ML6090		
Sampling Date		2012/02/02	2012/02/02		
COC Number		NA	NA		
	<b>Units</b>	<b>CQ4422-05R \ X13</b>	<b>CQ4423-05R \ DUPLICATE 1</b>	<b>RDL</b>	<b>QC Batch</b>

Total Cyanide (CN)	mg/L	0.001 U	0.001 U	0.005	2759602
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RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch

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### Test Summary

**Maxxam ID** ML6089  
**Sample ID** CQ4422-05R \ X13  
**Matrix** Water

**Collected** 2012/02/02  
**Shipped**  
**Received** 2012/02/07

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Cyanide	TECH/CN	2759602	2012/02/09	2012/02/09	LOUISE HARDING

**Maxxam ID** ML6090  
**Sample ID** CQ4423-05R \ DUPLICATE 1  
**Matrix** Water

**Collected** 2012/02/02  
**Shipped**  
**Received** 2012/02/07

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Cyanide	TECH/CN	2759602	2012/02/09	2012/02/09	LOUISE HARDING

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Package 1	2.0°C
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Each temperature is the average of up to three cooler temperatures taken at receipt

**GENERAL COMMENTS**

**Results relate only to the items tested.**

Maxxam Analytics  
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 Client Project #: B209332  
 P.O. #:  
 Site Location:

Quality Assurance Report  
 Maxxam Job Number: MB217717

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	%Recovery	Units	QC Limits
2759602 LHA	Matrix Spike	Total Cyanide (CN)	2012/02/09		101	%	80 - 120
	Spiked Blank	Total Cyanide (CN)	2012/02/09		99	%	80 - 120
	Method Blank	Total Cyanide (CN)	2012/02/09	0.001 U, MDL=0.001		mg/L	
	RPD - Sample/Sample Dup	Total Cyanide (CN)	2012/02/09	NC		%	25

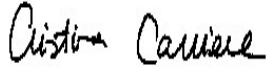
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.  
 Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.  
 Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.  
 NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

## Validation Signature Page

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The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

A handwritten signature in black ink that reads "Cristina Carriere".

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CRISTINA CARRIERE, Scientific Services

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